

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066743.D
 Acq On : 23 Apr 2021 17:23
 Operator : JC/MD
 Sample : PB135928ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 09:11:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

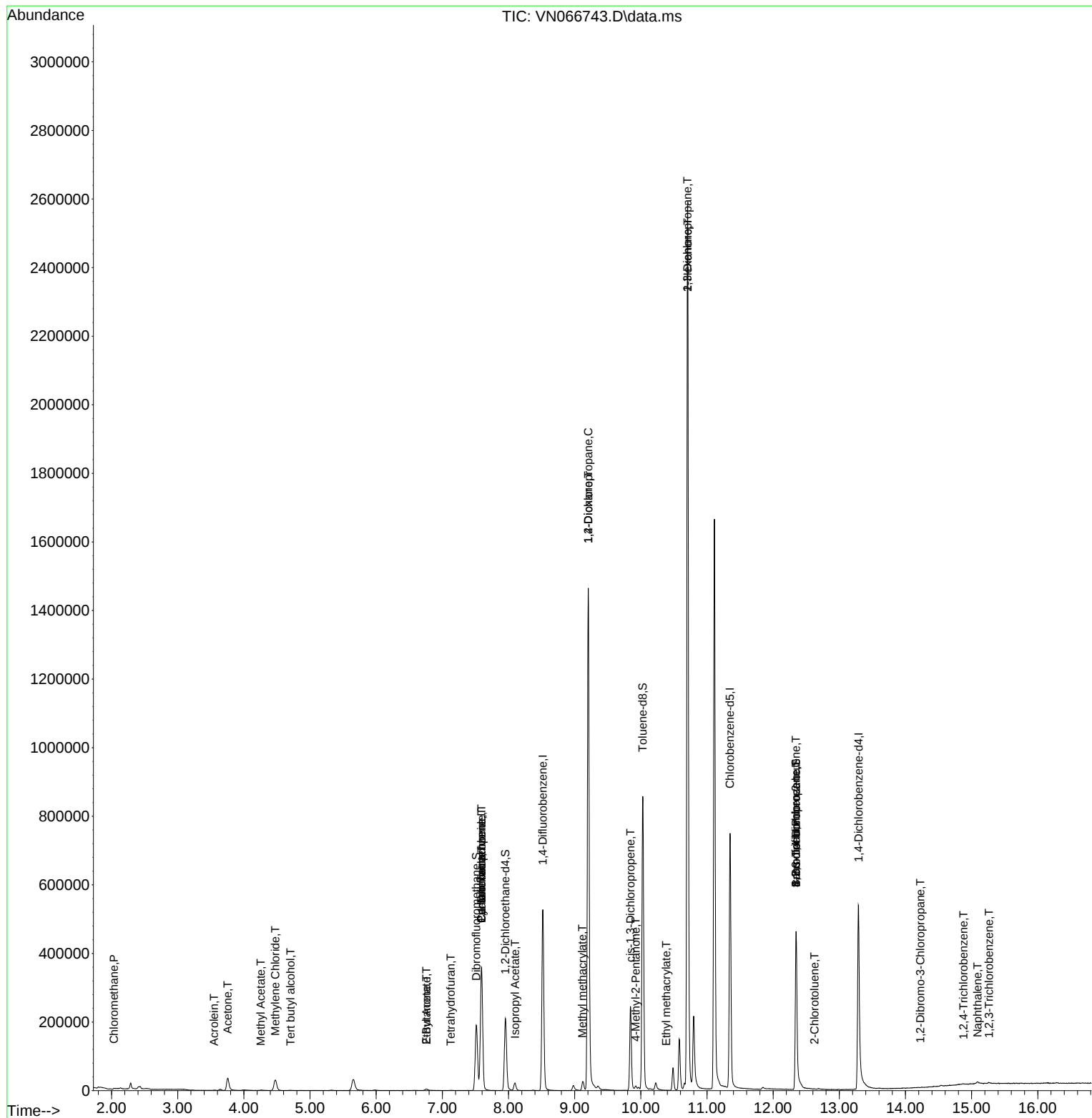
Internal Standards						
1) Pentafluorobenzene	7.591	168	323106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	491098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	454601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	197926	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	182044	46.12	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.24%		
35) Dibromofluoromethane	7.513	113	153133	49.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.58%		
50) Toluene-d8	10.029	98	606666	50.58	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.16%		
62) 4-Bromofluorobenzene	12.346	95	195282	47.54	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.08%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1242	0.24	ug/l	99
11) Tert butyl alcohol	4.705	59	375	0.75	ug/l #	73
13) Acrolein	3.549	56	777	1.41	ug/l	87
16) Acetone	3.756	43	61111	41.36	ug/l	98
18) Methyl Acetate	4.257	43	1629	0.40	ug/l	90
20) Methylene Chloride	4.474	84	23966	5.46	ug/l	96
25) 2-Butanone	6.759	43	7985	3.77	ug/l	94
29) Tetrahydrofuran	7.127	42	297	0.20	ug/l #	32
31) Cyclohexane	7.594	56	5698	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21894	4.79	ug/l #	47
37) Ethyl Acetate	6.759	43	7985	1.66	ug/l #	68
38) Carbon Tetrachloride	7.594	117	27511	6.33	ug/l #	16
43) Isopropyl Acetate	8.098	43	28223	3.69	ug/l #	88
45) 1,2-Dichloropropane	9.205	63	1940	0.49	ug/l #	44
48) Methyl methacrylate	9.117	41	7329	2.18	ug/l #	10
49) 1,4-Dioxane	9.205	88	114	2.81	ug/l #	1
51) 4-Methyl-2-Pentanone	9.924	43	8725	2.04	ug/l	98
54) cis-1,3-Dichloropropene	9.844	75	47128	7.99	ug/l #	62
56) Ethyl methacrylate	10.383	69	55	3.16	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	27653	4.81	ug/l #	43
59) 2-Hexanone	10.707	43	377621	126.26	ug/l #	50
71) Bromoform	12.346	173	1175	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	91828	21.68	ug/l #	100
79) 2-Chlorotoluene	12.625	91	272	0.96	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	91828	64.59	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.226	75	281	0.33	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.878	180	928	2.24	ug/l #	86
95) Naphthalene	15.090	128	7780	2.67	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.261	180	1675	1.82	ug/l	83

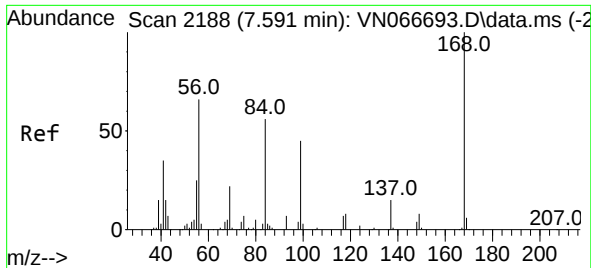
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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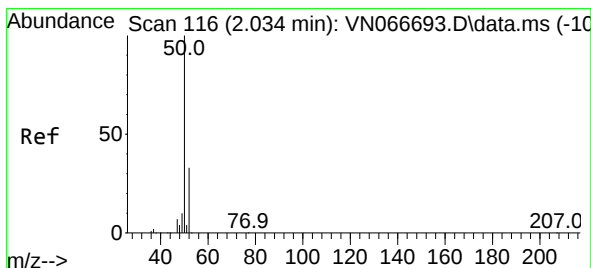
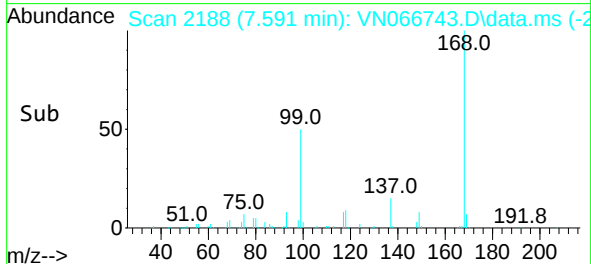
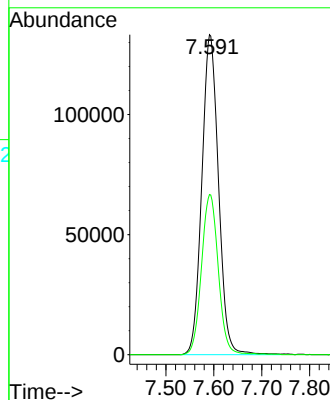
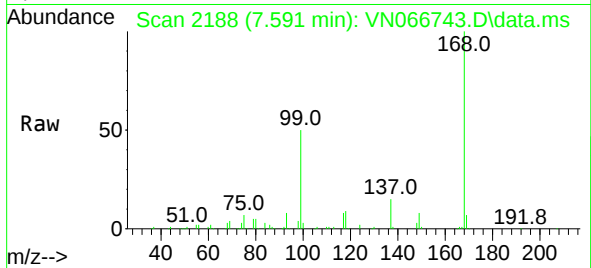




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

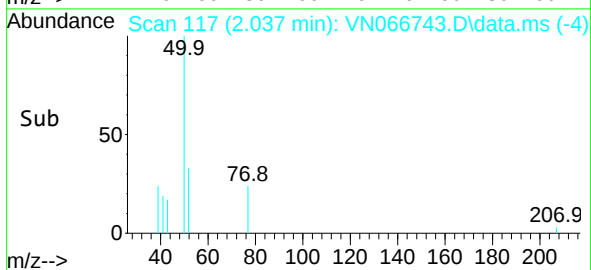
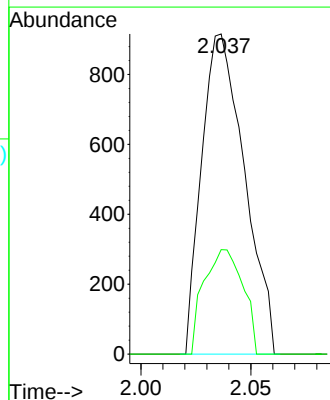
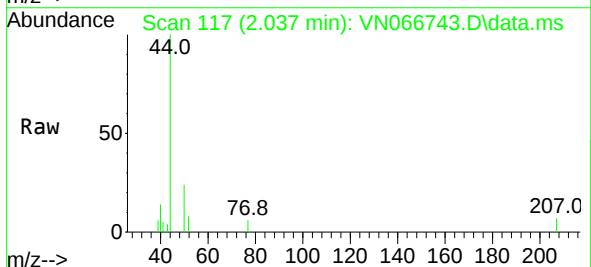
Instrument :
MSVOA_N
ClientSampled :

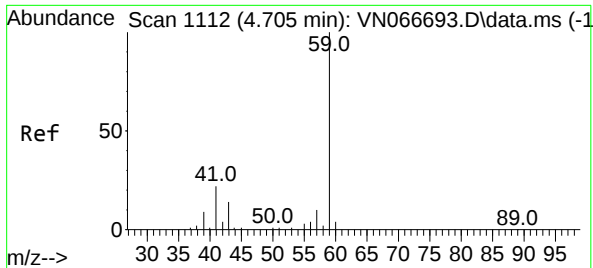
Tgt Ion:168 Resp: 323106
Ion Ratio Lower Upper
168 100
99 50.0 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 50 Resp: 1242
Ion Ratio Lower Upper
50 100
52 32.6 25.8 38.8



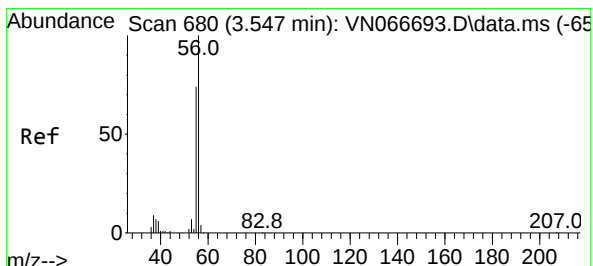
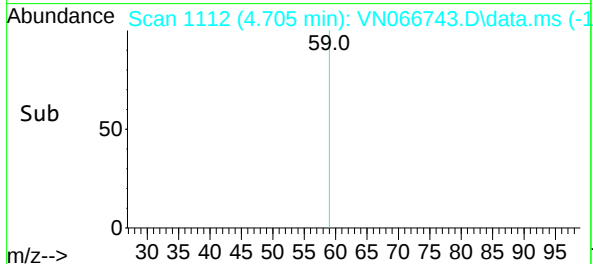
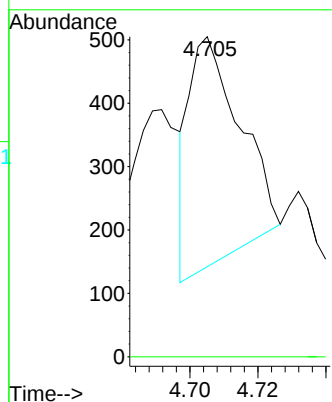
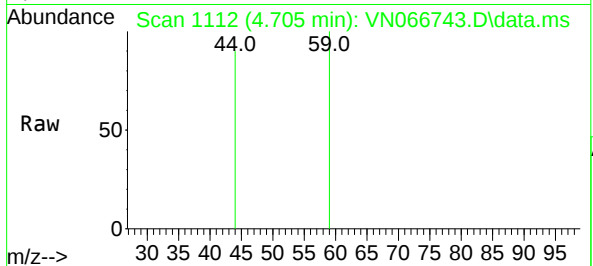


#11

Tert butyl alcohol
Concen: 0.75 ug/l
RT: 4.705 min Scan# 1112
Delta R.T. 0.000 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Instrument :
MSVOA_N
ClientSampled :

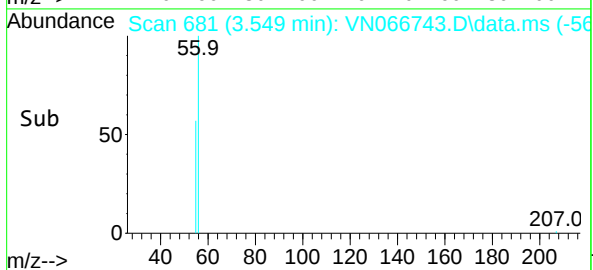
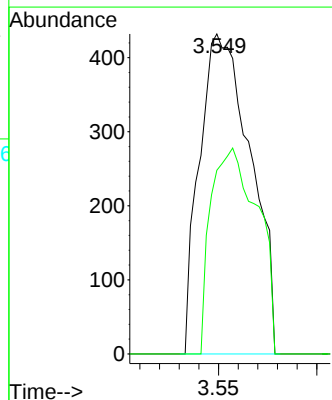
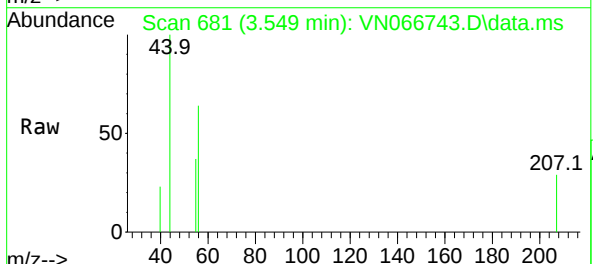
Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

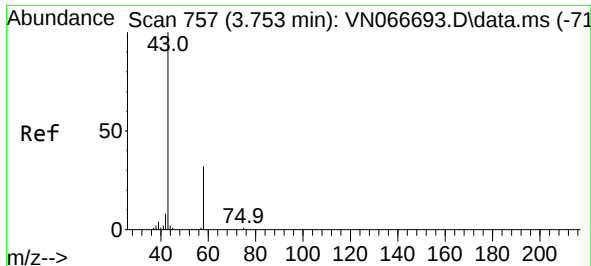


#13

Acrolein
Concen: 1.41 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.002 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 56 Resp: 777
Ion Ratio Lower Upper
56 100
55 59.1 56.0 84.0

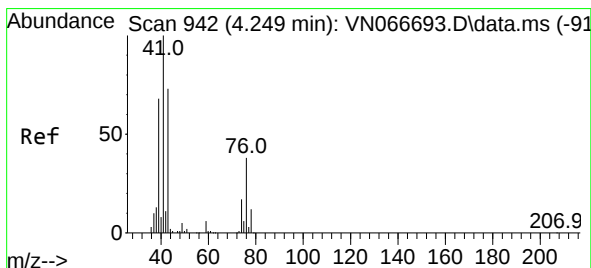
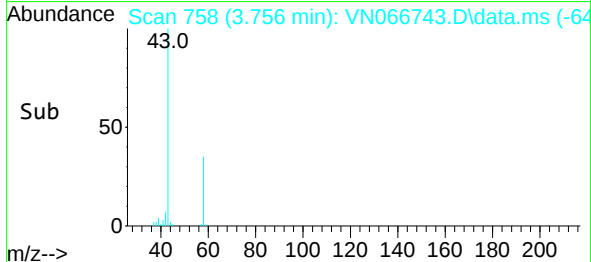
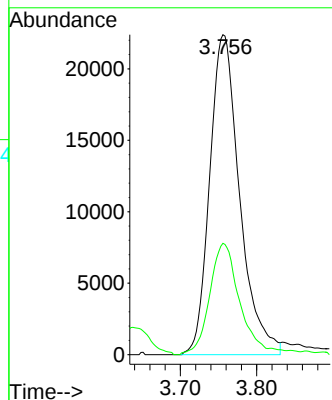
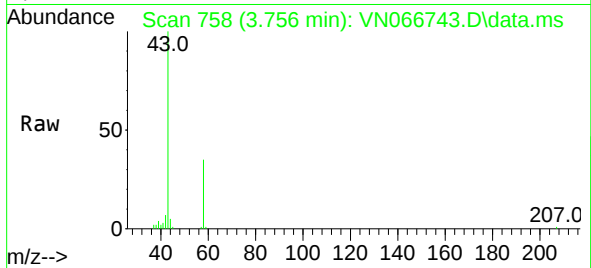




#16
Acetone
Concen: 41.36 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

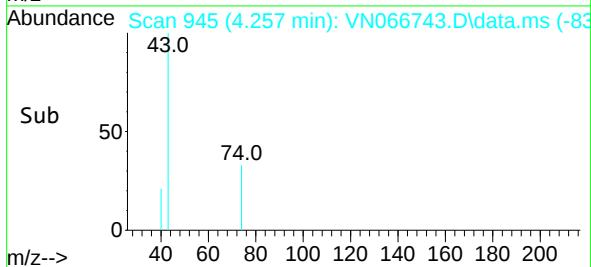
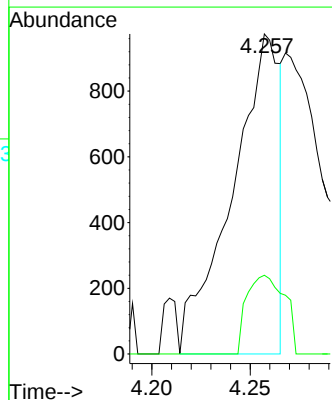
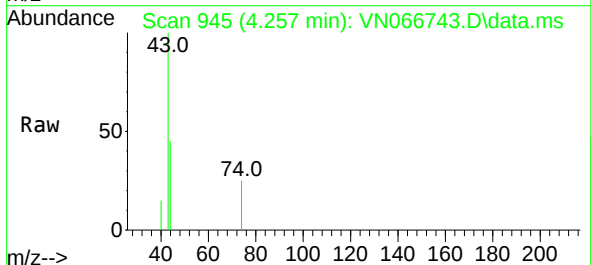
Instrument :
MSVOA_N
ClientSampled :

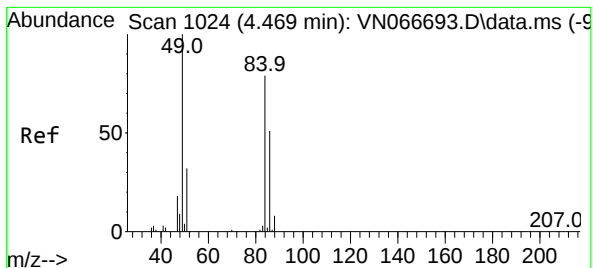
Tgt Ion: 43 Resp: 61111
Ion Ratio Lower Upper
43 100
58 34.8 27.0 40.6



#18
Methyl Acetate
Concen: 0.40 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.008 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 43 Resp: 1629
Ion Ratio Lower Upper
43 100
74 19.6 19.5 29.3





#20

Methylene Chloride

Concen: 5.46 ug/l

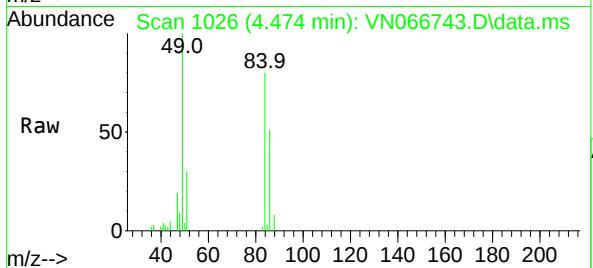
RT: 4.474 min Scan# 1026

Delta R.T. 0.005 min

Lab File: VN066743.D

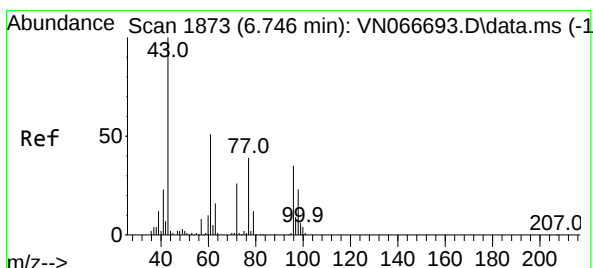
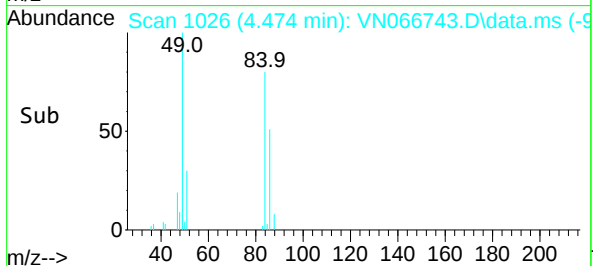
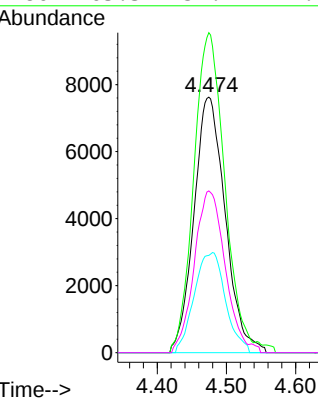
Acq: 23 Apr 2021 17:23

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 23966

Ion	Ratio	Lower	Upper
84	100		
49	125.2	94.6	141.8
51	38.1	29.9	44.9
86	63.3	51.4	77.2



#25

2-Butanone

Concen: 3.77 ug/l

RT: 6.759 min Scan# 1878

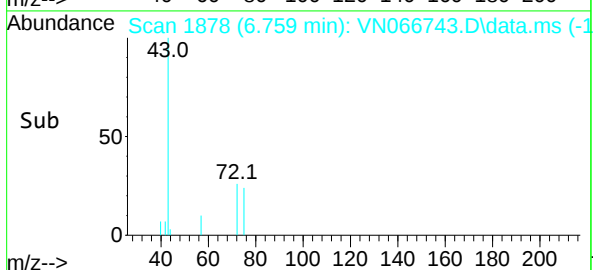
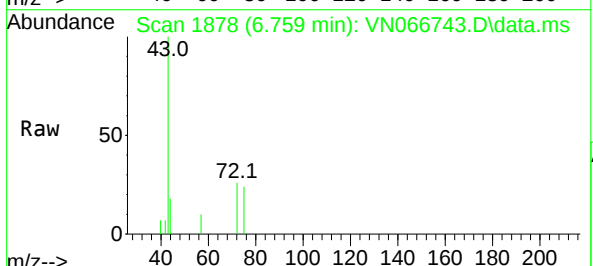
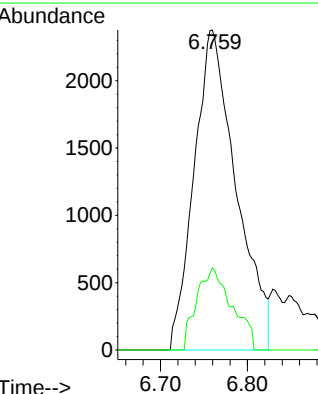
Delta R.T. 0.013 min

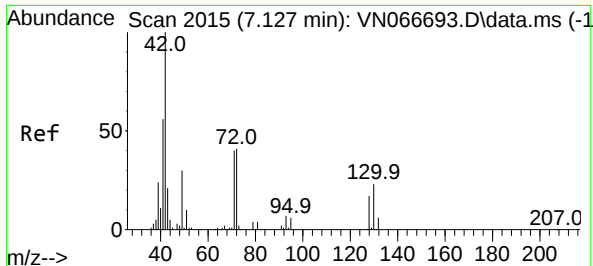
Lab File: VN066743.D

Acq: 23 Apr 2021 17:23

Tgt Ion: 43 Resp: 7985

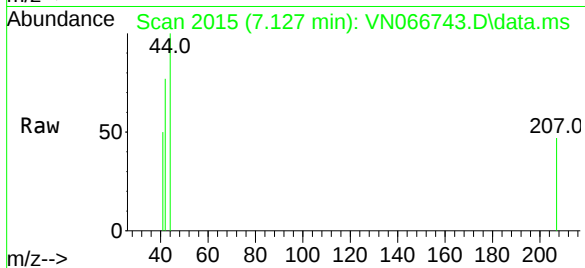
Ion	Ratio	Lower	Upper
43	100		
72	25.7	23.1	34.7



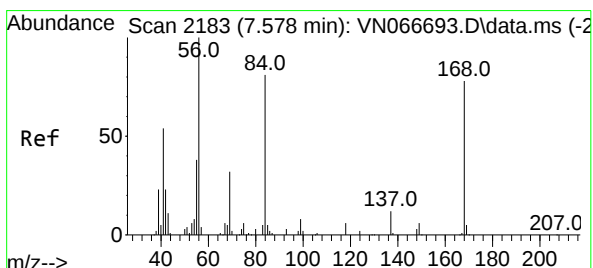
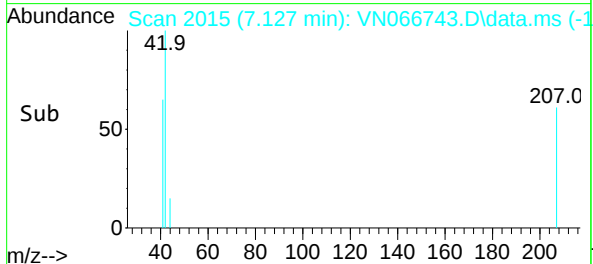
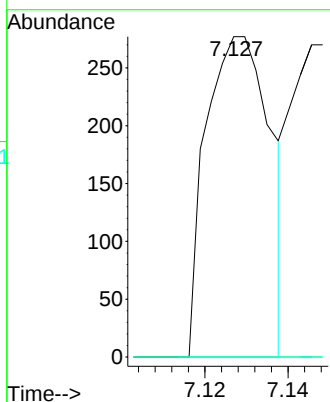


#29
Tetrahydrofuran
Concen: 0.20 ug/l
RT: 7.127 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Instrument :
MSVOA_N
ClientSampleId :

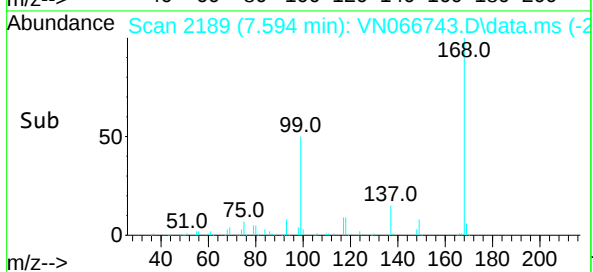
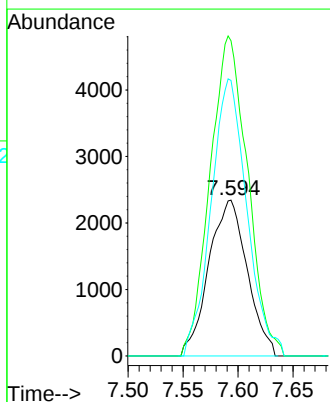
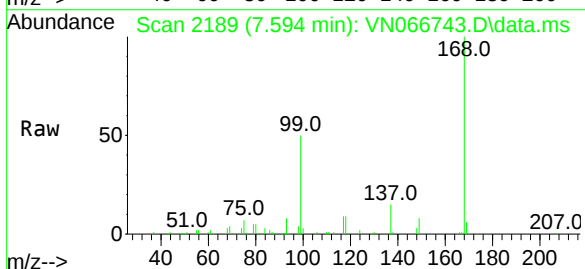


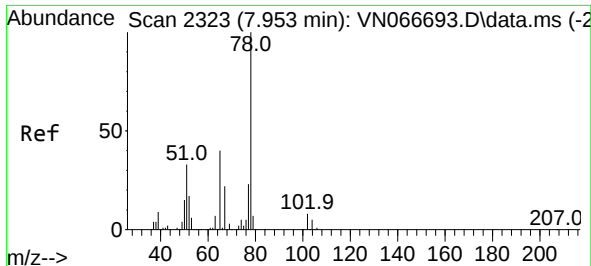
Tgt Ion:	42	Resp:	297
Ion Ratio	Lower	Upper	
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#



#31
Cyclohexane
Concen: 0.89 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion:	56	Resp:	5698
Ion Ratio	Lower	Upper	
56	100		
69	202.2	26.6	39.8#
84	176.7	70.4	105.6#

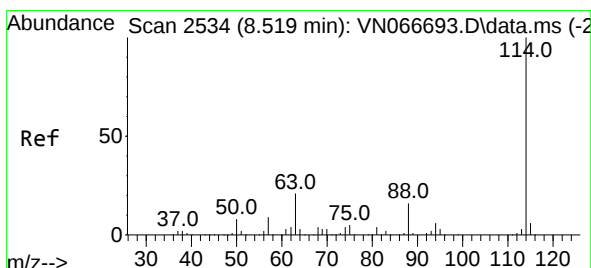
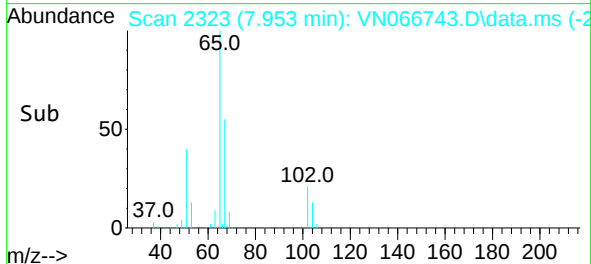
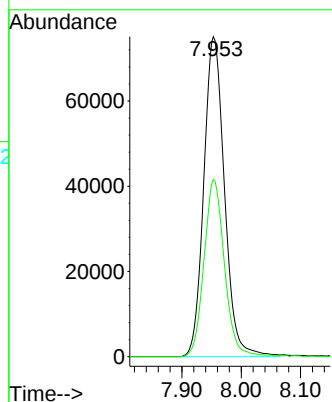
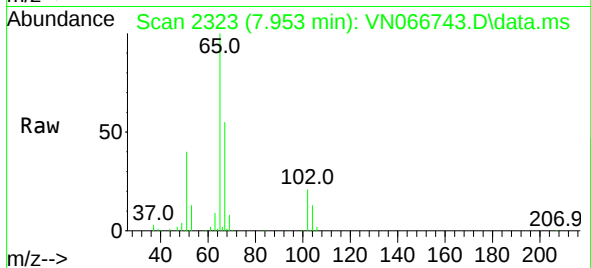




#33
 1,2-Dichloroethane-d4
 Concen: 46.12 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. -0.000 min
 Lab File: VN066743.D
 Acq: 23 Apr 2021 17:23

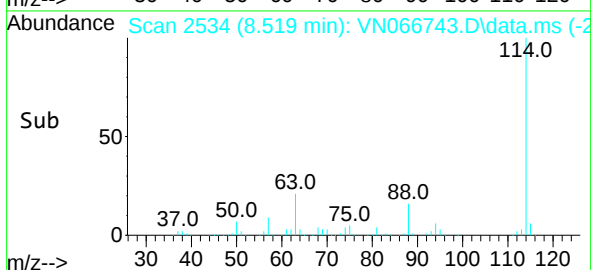
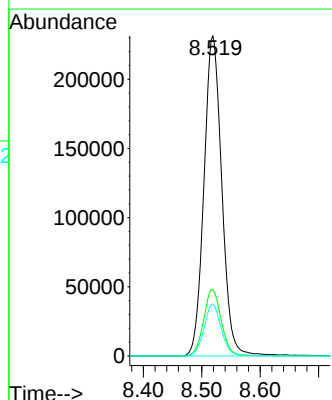
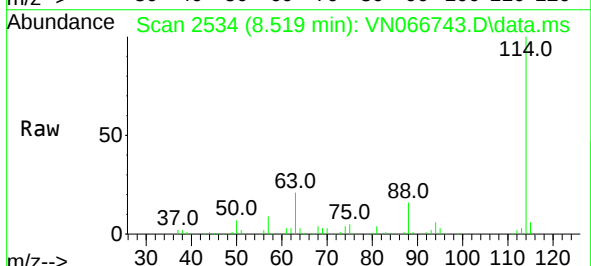
Instrument :
 MSVOA_N
 ClientSampleId :

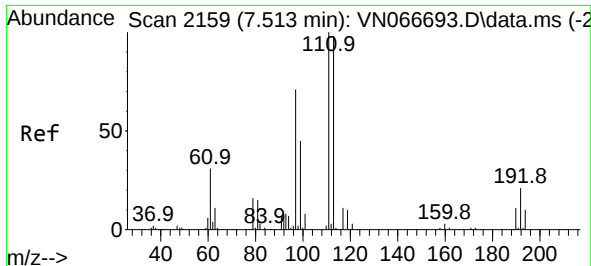
Tgt Ion: 65 Resp: 182044
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: VN066743.D
 Acq: 23 Apr 2021 17:23

Tgt Ion: 114 Resp: 491098
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.6
 88 16.2 0.0 30.6

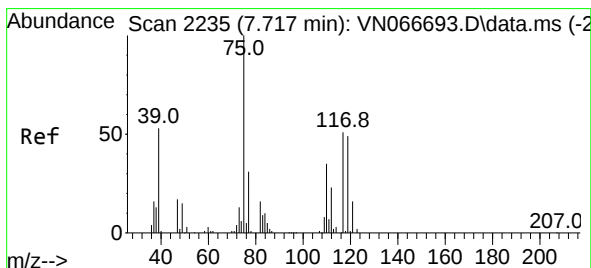
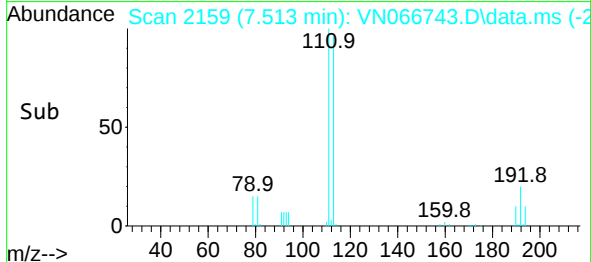
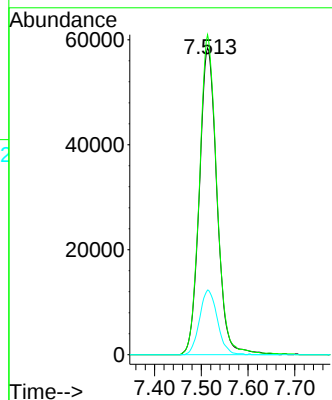
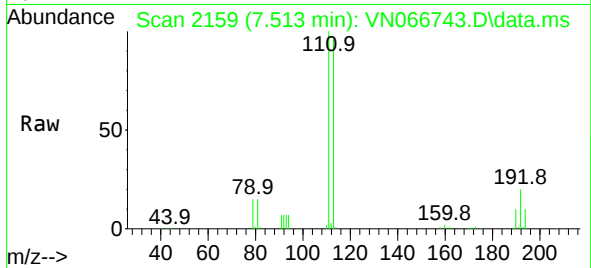




#35
Dibromofluoromethane
Concen: 49.79 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

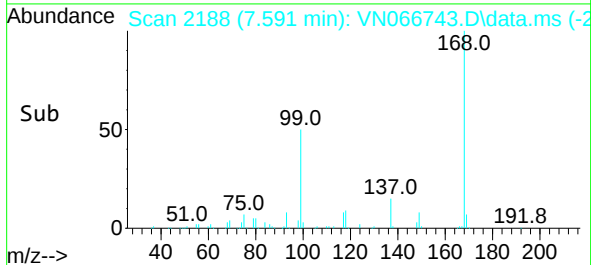
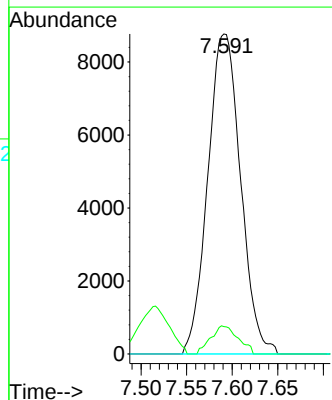
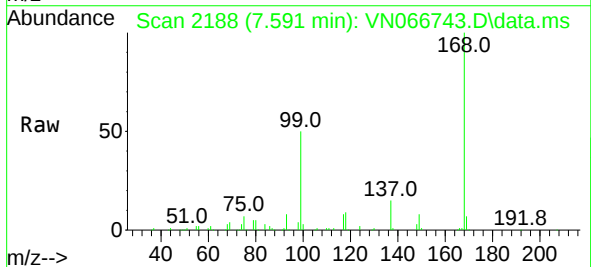
Instrument :
MSVOA_N
ClientSampleId :

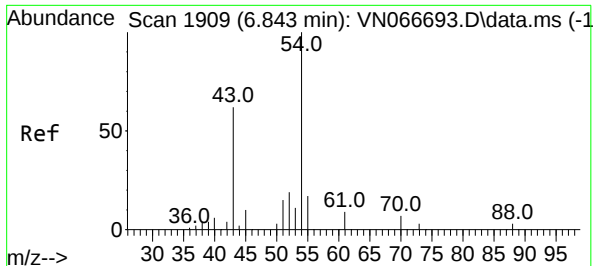
Tgt Ion:113 Resp: 153133
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 21.3 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.79 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 75 Resp: 21894
Ion Ratio Lower Upper
75 100
110 7.3 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.66 ug/l

RT: 6.759 min Scan# 1878

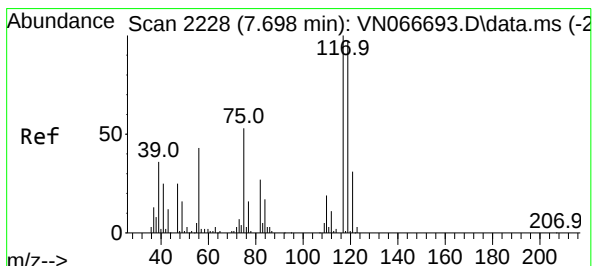
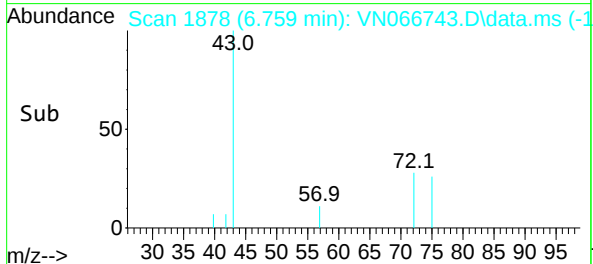
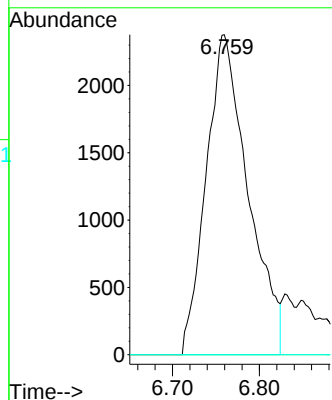
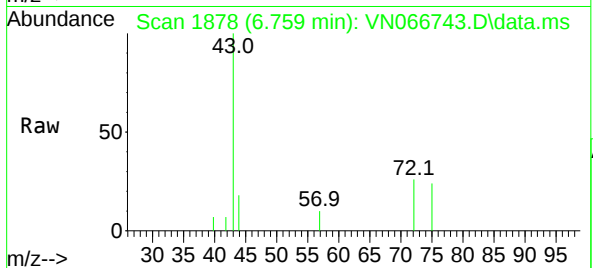
Delta R.T. -0.084 min

Lab File: VN066743.D

Acq: 23 Apr 2021 17:23

Tgt Ion:	43	Resp:	7985
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.33 ug/l

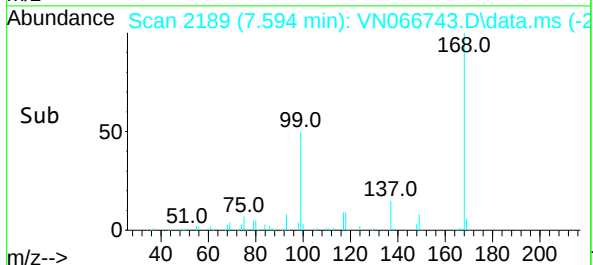
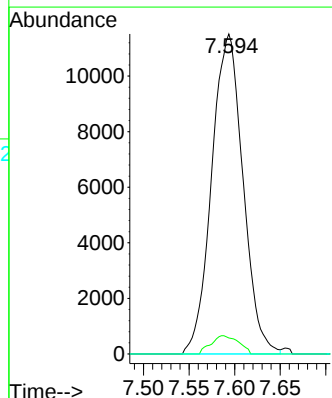
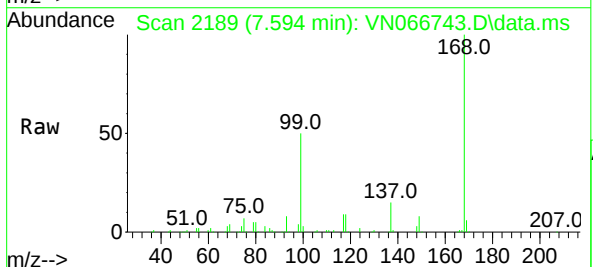
RT: 7.594 min Scan# 2189

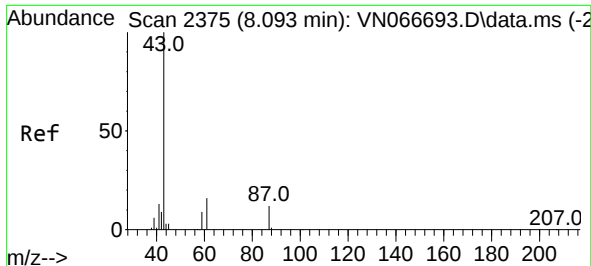
Delta R.T. -0.104 min

Lab File: VN066743.D

Acq: 23 Apr 2021 17:23

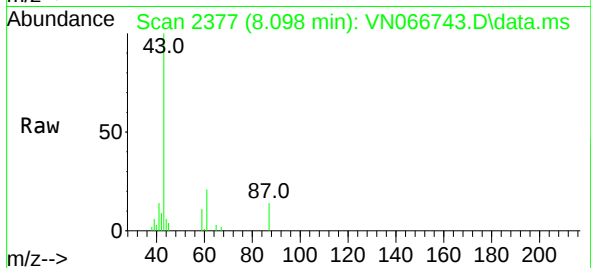
Tgt Ion:	117	Resp:	27511
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.0	114.0#
121	0.0	24.5	36.7#



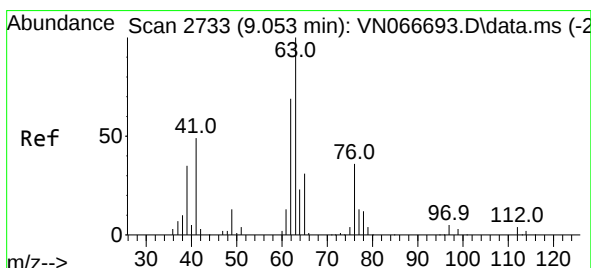
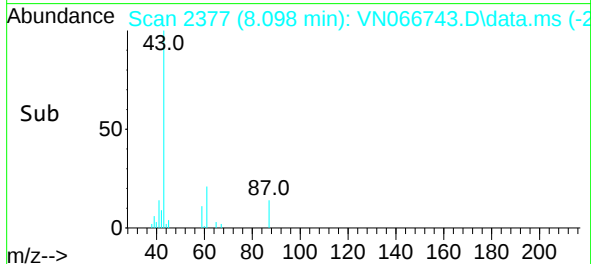
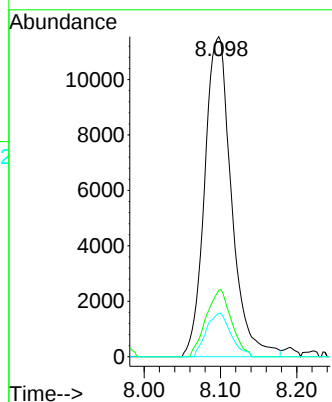


#43
Isopropyl Acetate
Concen: 3.69 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.005 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Instrument :
MSVOA_N
ClientSampled :

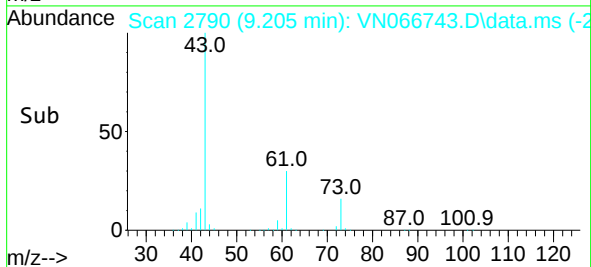
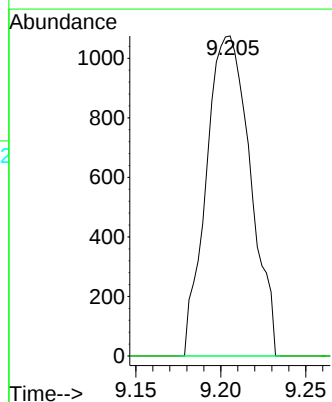
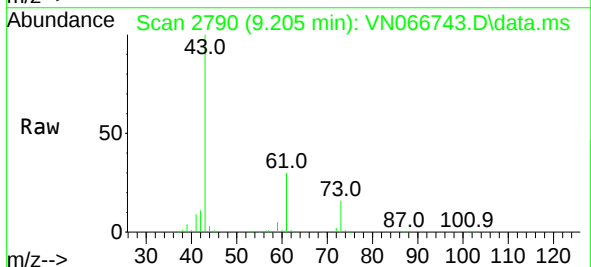


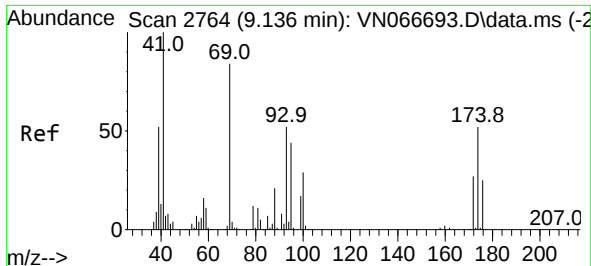
Tgt Ion: 43 Resp: 28223
Ion Ratio Lower Upper
43 100
61 19.7 22.5 33.7#
87 12.5 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.49 ug/l
RT: 9.205 min Scan# 2790
Delta R.T. 0.152 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

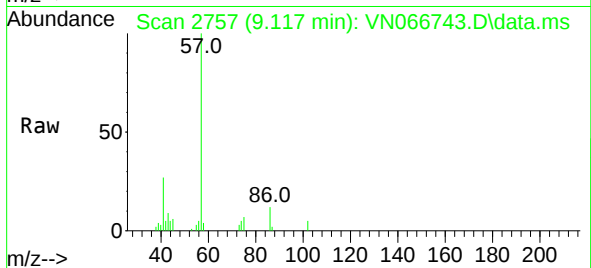
Tgt Ion: 63 Resp: 1940
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



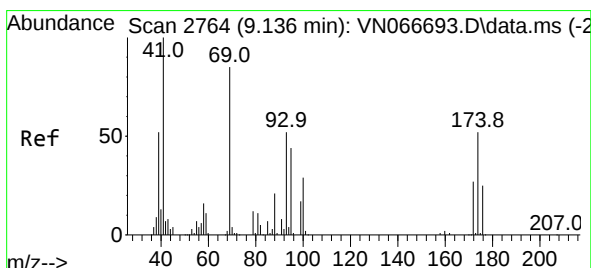
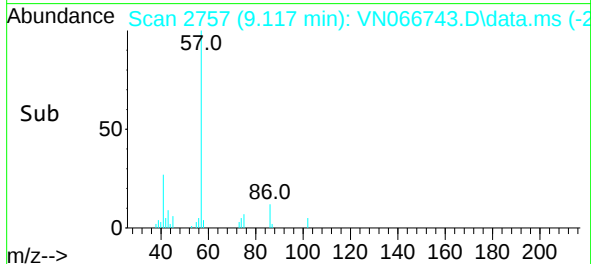
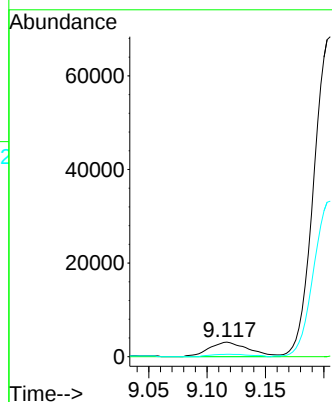


#48
Methyl methacrylate
Concen: 2.18 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Instrument :
MSVOA_N
ClientSampleId :

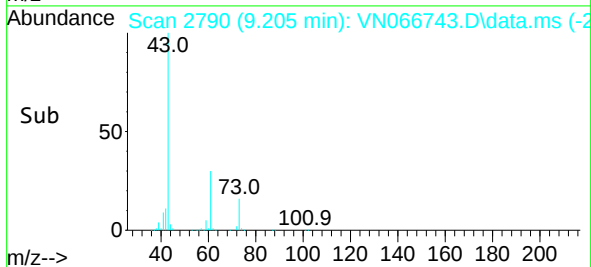
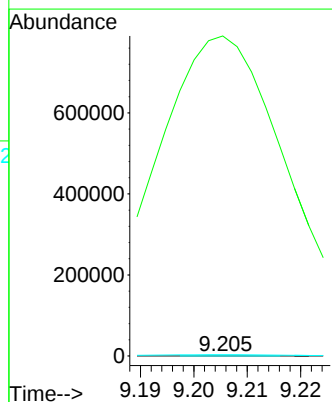
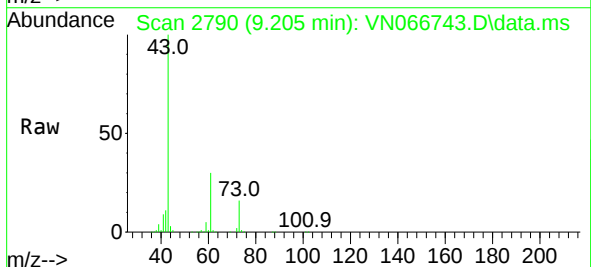


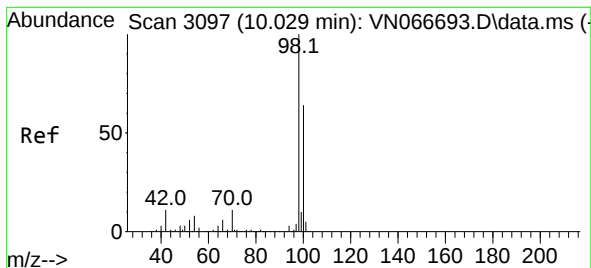
Tgt Ion: 41 Resp: 7329
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 2.81 ug/l
RT: 9.205 min Scan# 2790
Delta R.T. 0.069 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 88 Resp: 114
Ion Ratio Lower Upper
88 100
43 1332074.6 24.7 37.1#
58 5398.2 52.6 78.8#

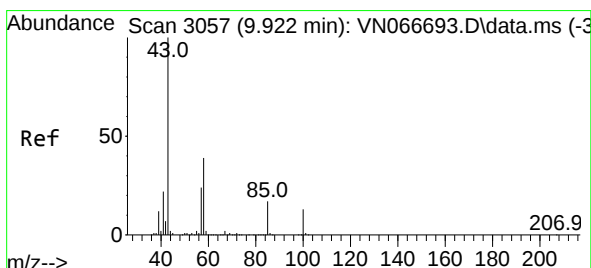
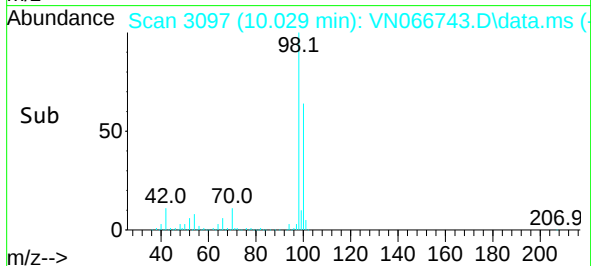
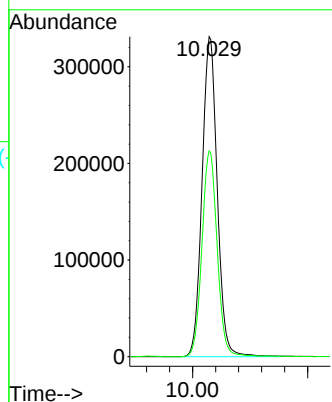
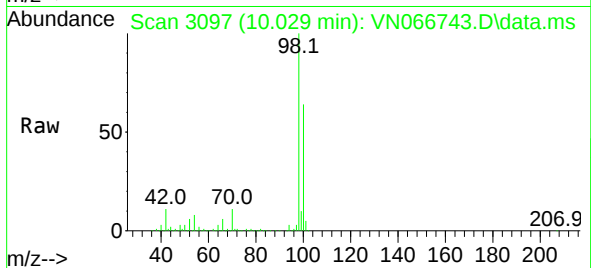




#50
Toluene-d8
Concen: 50.58 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

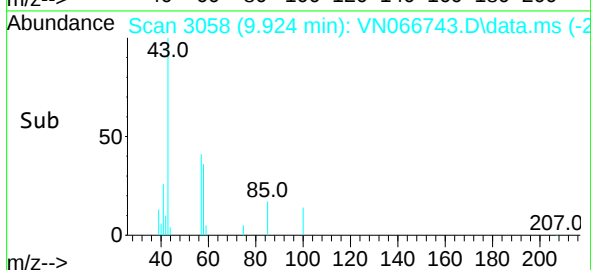
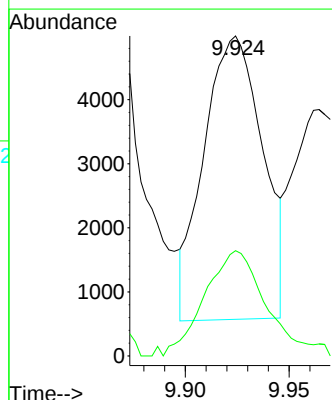
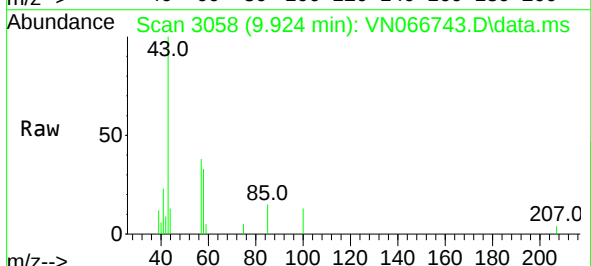
Instrument :
MSVOA_N
ClientSampled :

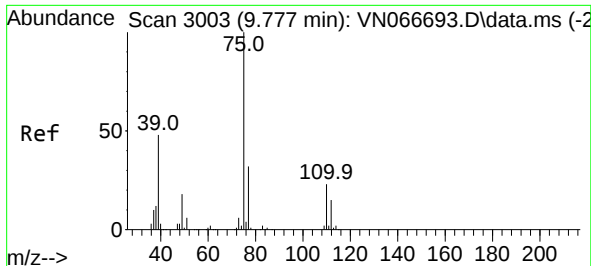
Tgt Ion: 98 Resp: 606666
Ion Ratio Lower Upper
98 100
100 64.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 2.04 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 43 Resp: 8725
Ion Ratio Lower Upper
43 100
58 39.2 32.5 48.7

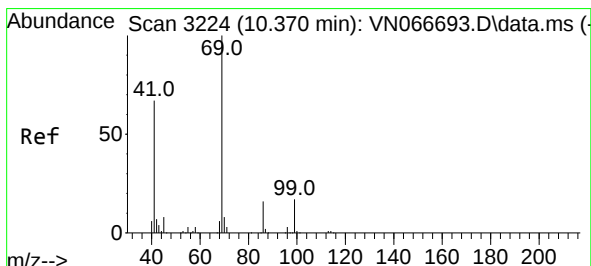
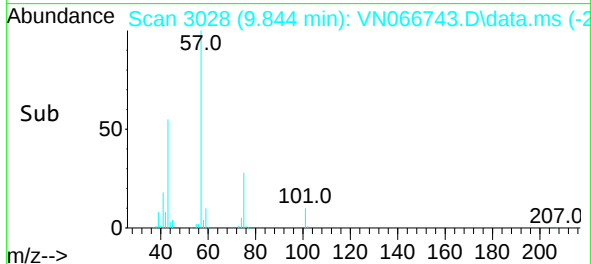
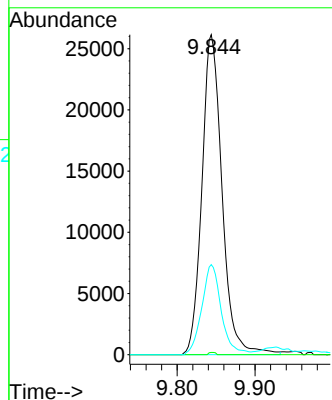
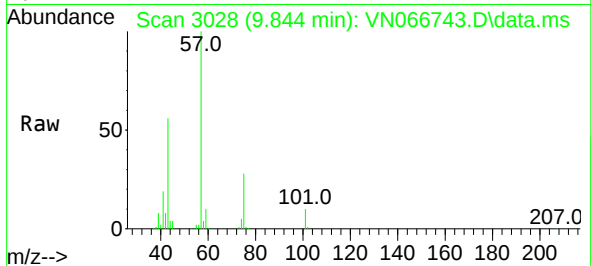




#54
 cis-1,3-Dichloropropene
 Concen: 7.99 ug/l
 RT: 9.844 min Scan# 3028
 Delta R.T. 0.067 min
 Lab File: VN066743.D
 Acq: 23 Apr 2021 17:23

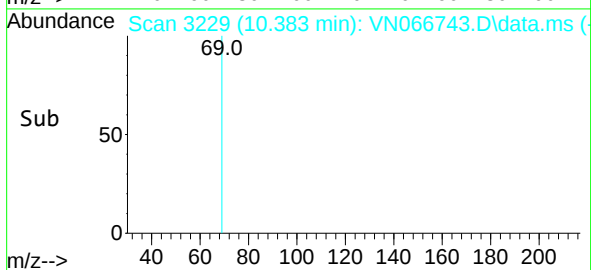
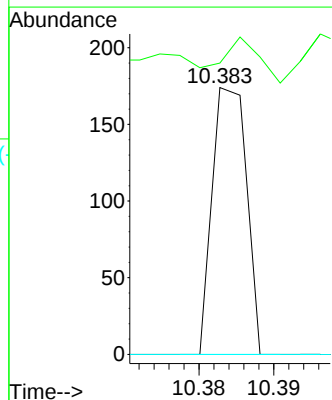
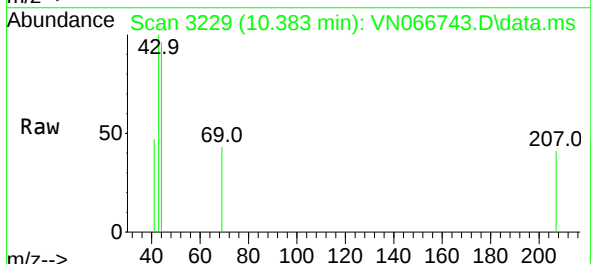
Instrument :
 MSVOA_N
 ClientSampleId :

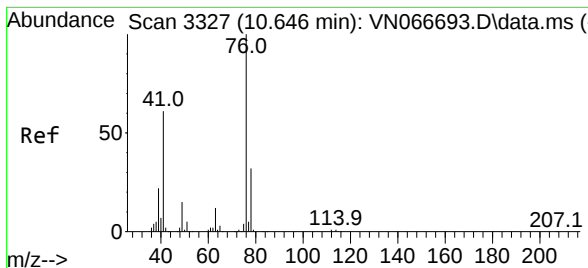
Tgt Ion: 75 Resp: 47128
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.9 37.3#
 39 28.1 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 3.16 ug/l
 RT: 10.383 min Scan# 3229
 Delta R.T. 0.013 min
 Lab File: VN066743.D
 Acq: 23 Apr 2021 17:23

Tgt Ion: 69 Resp: 55
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

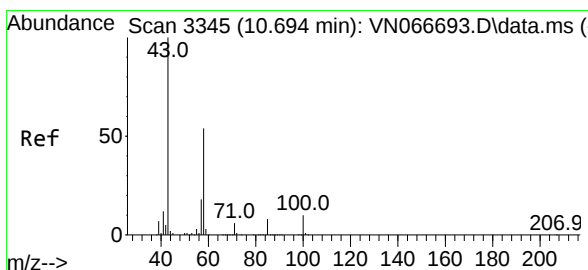
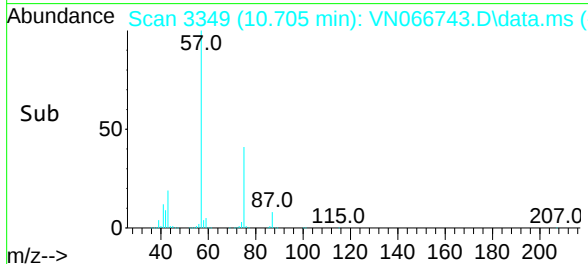
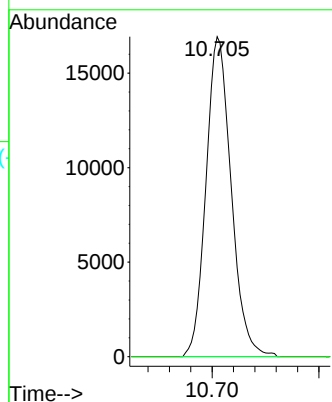
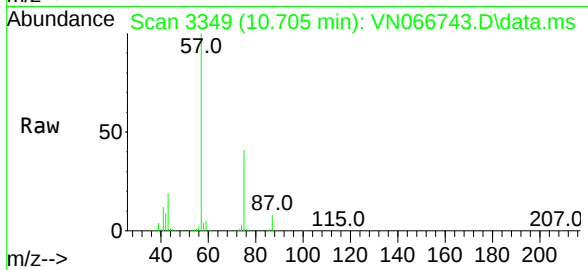




#57
1,3-Dichloropropane
Concen: 4.81 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

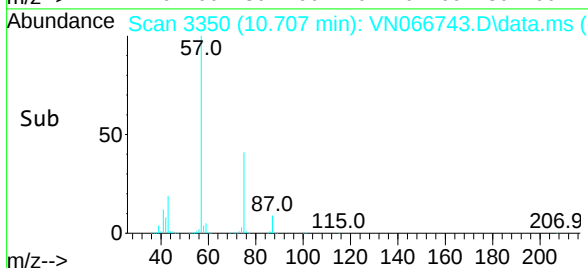
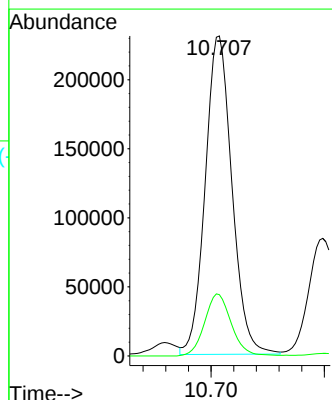
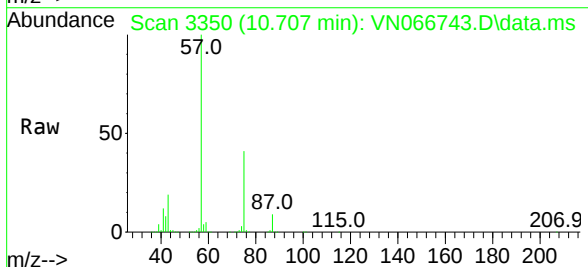
Instrument :
MSVOA_N
ClientSampleId :

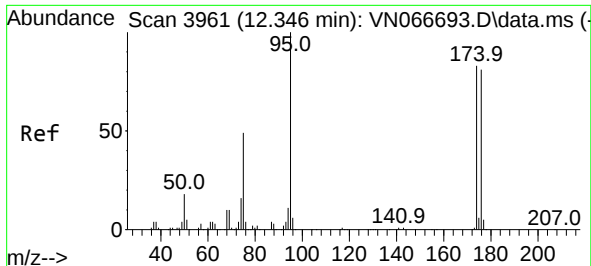
Tgt Ion: 76 Resp: 27653
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 126.26 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 43 Resp: 377621
Ion Ratio Lower Upper
43 100
58 19.5 28.1 84.3#

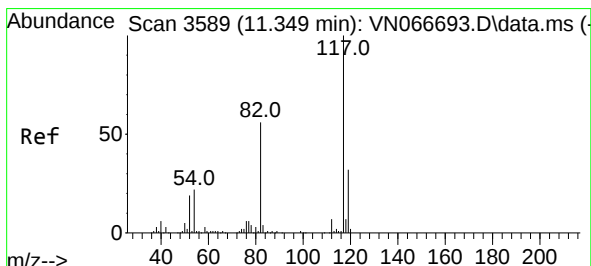
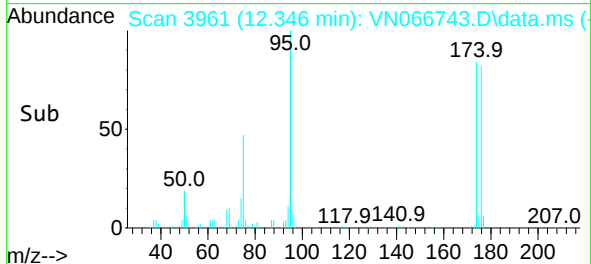
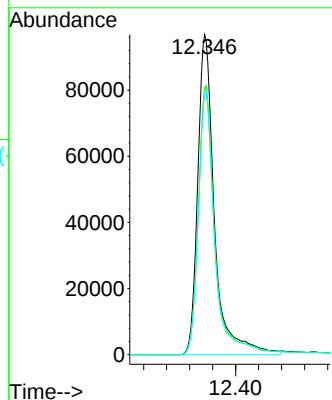
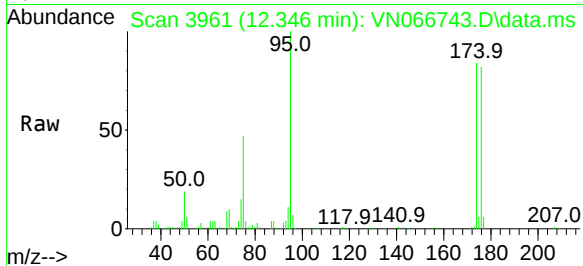




#62
4-Bromofluorobenzene
Concen: 47.54 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

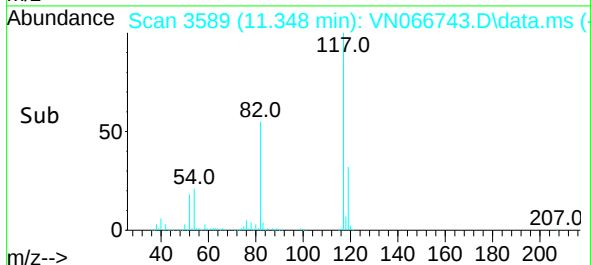
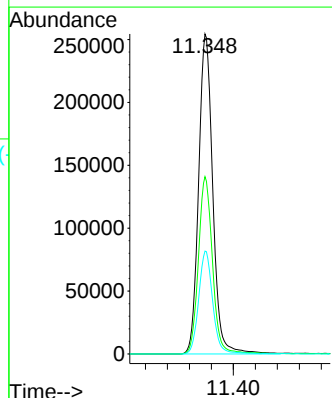
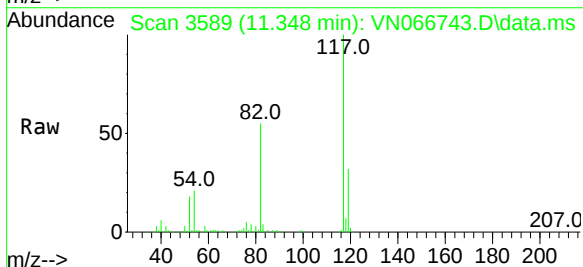
Instrument :
MSVOA_N
ClientSampleId :

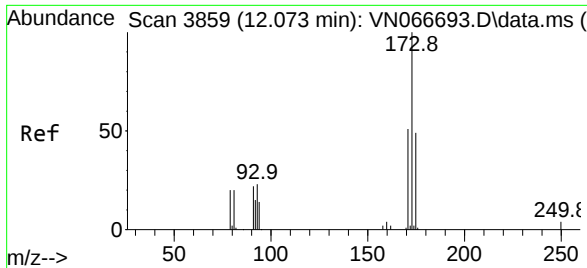
Tgt Ion: 95 Resp: 195282
Ion Ratio Lower Upper
95 100
174 83.1 0.0 169.0
176 80.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 117 Resp: 454601
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 32.1 26.1 39.1

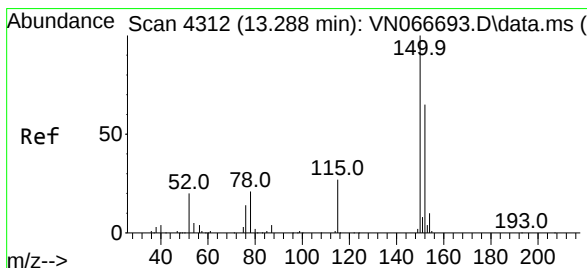
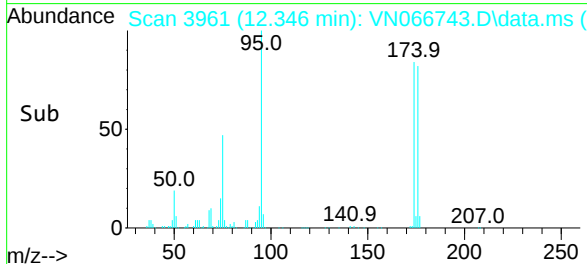
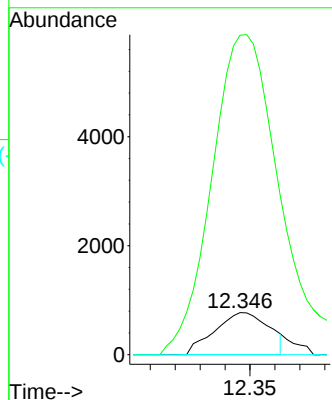
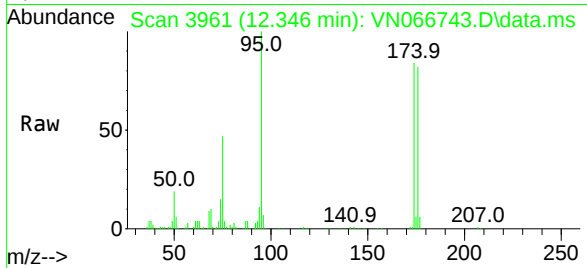




#71
Bromoform
Concen: 0.46 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

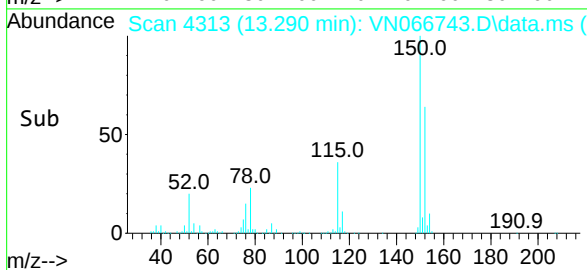
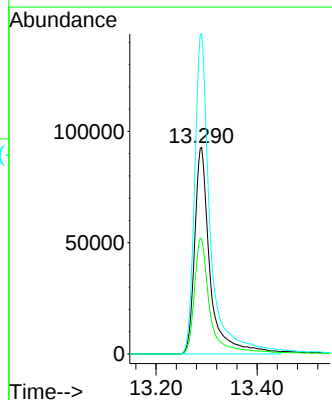
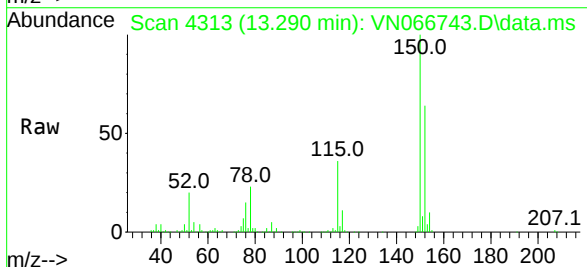
Instrument :
MSVOA_N
ClientSampled :

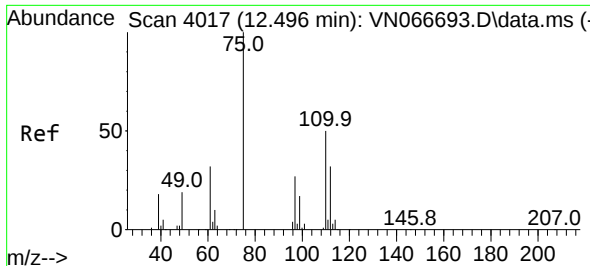
Tgt Ion:173 Resp: 1175
Ion Ratio Lower Upper
173 100
175 816.9 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion:152 Resp: 197926
Ion Ratio Lower Upper
152 100
115 55.3 28.5 85.6
150 158.1 0.0 347.6

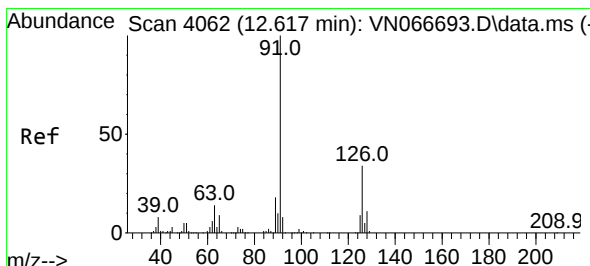
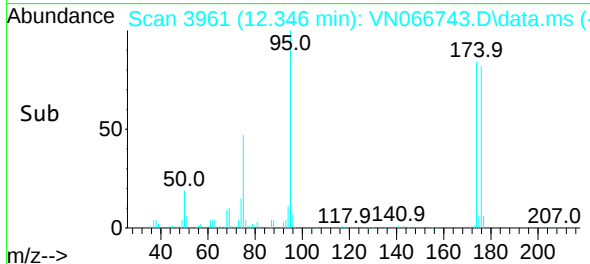
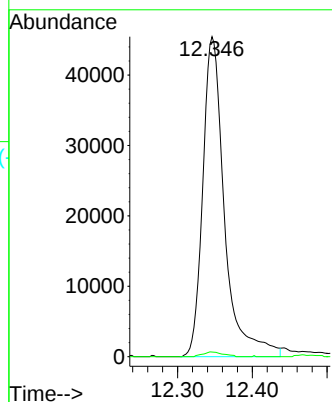
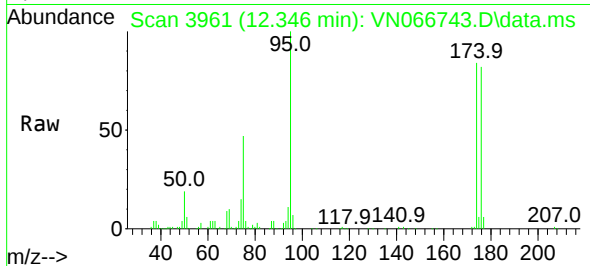




#76
1,2,3-Trichloropropane
Concen: 21.68 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

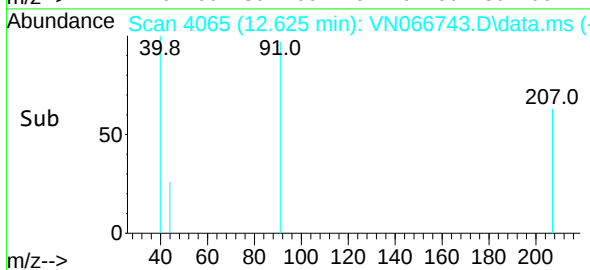
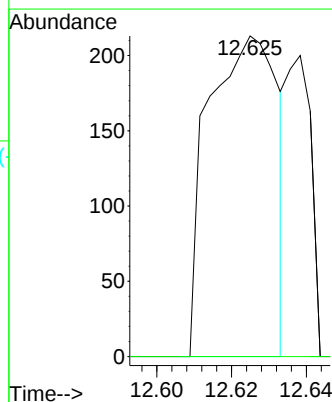
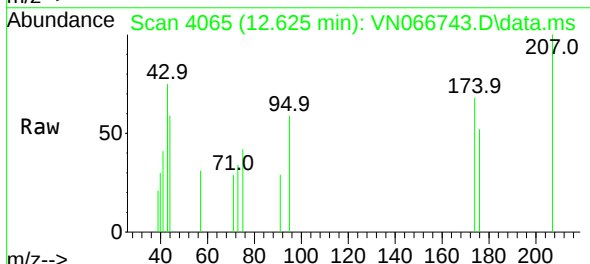
Instrument :
MSVOA_N
ClientSampleId :

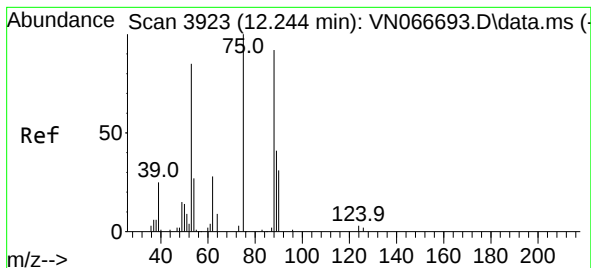
Tgt Ion: 75 Resp: 91828
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.96 ug/l
RT: 12.625 min Scan# 4065
Delta R.T. 0.008 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 91 Resp: 272
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

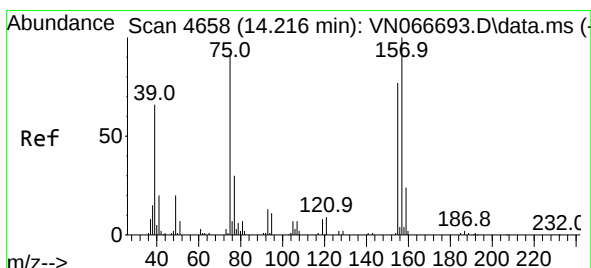
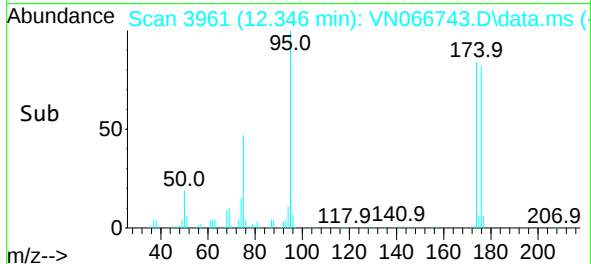
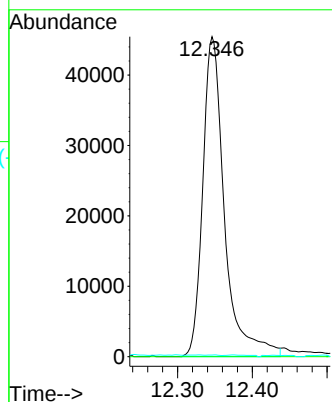
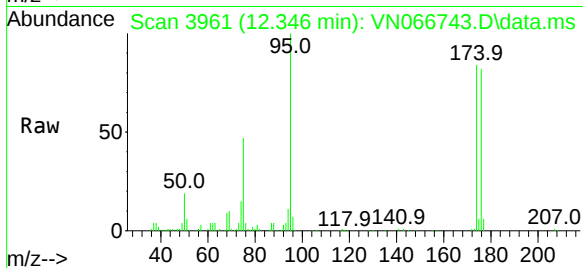




#81
trans-1,4-Dichloro-2-butene
Concen: 64.59 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

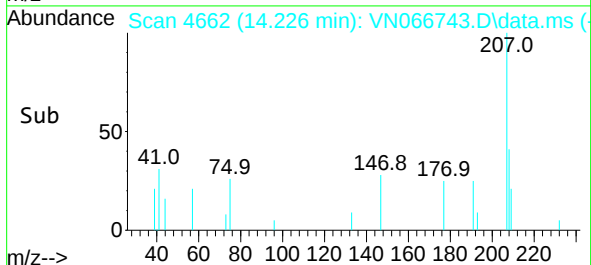
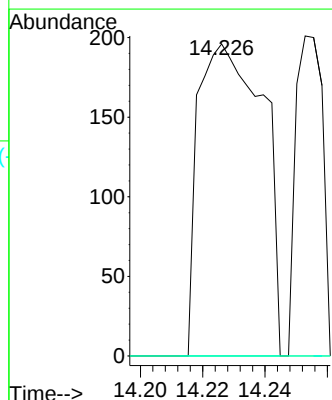
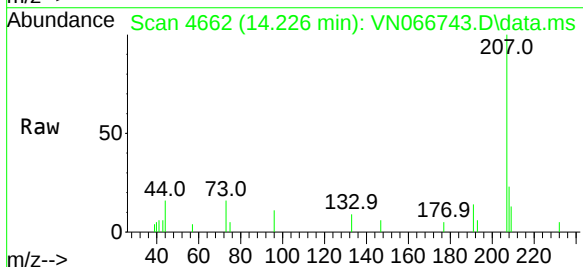
Instrument :
MSVOA_N
ClientSampleId :

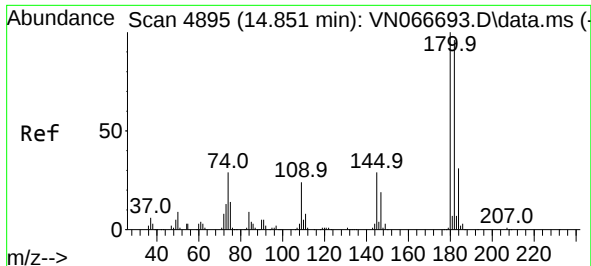
Tgt Ion: 75 Resp: 91828
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.33 ug/l
RT: 14.226 min Scan# 4662
Delta R.T. 0.010 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion: 75 Resp: 281
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

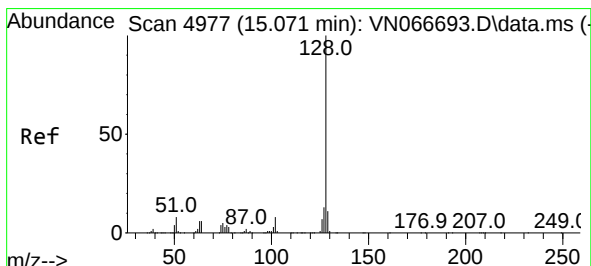
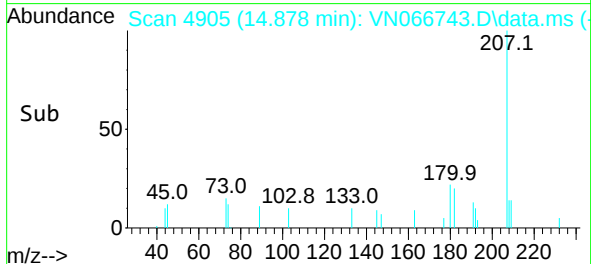
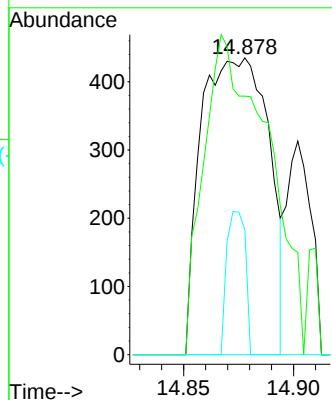
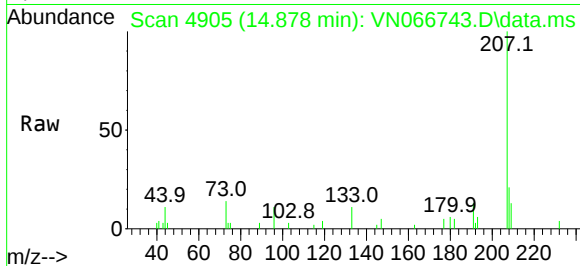




#93
1,2,4-Trichlorobenzene
Concen: 2.24 ug/l
RT: 14.878 min Scan# 4905
Delta R.T. 0.027 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

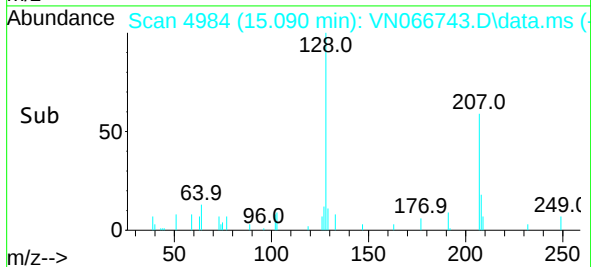
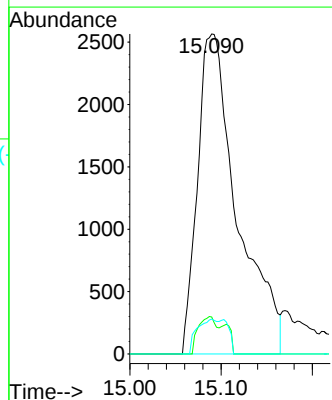
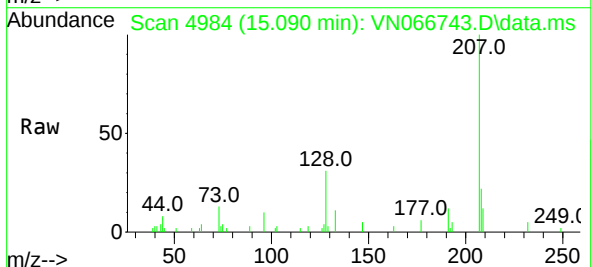
Instrument :
MSVOA_N
ClientSampled :

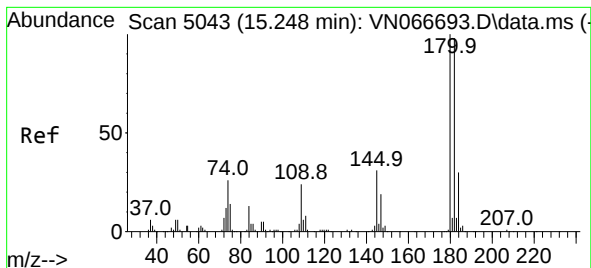
Tgt Ion:180 Resp: 928
Ion Ratio Lower Upper
180 100
182 102.5 47.3 142.0
145 13.4 15.6 46.8#



#95
Naphthalene
Concen: 2.67 ug/l
RT: 15.090 min Scan# 4984
Delta R.T. 0.019 min
Lab File: VN066743.D
Acq: 23 Apr 2021 17:23

Tgt Ion:128 Resp: 7780
Ion Ratio Lower Upper
128 100
127 5.5 10.2 15.2#
129 5.9 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.82 ug/l

RT: 15.261 min Scan# 5048

Delta R.T. 0.013 min

Lab File: VN066743.D

Acq: 23 Apr 2021 17:23

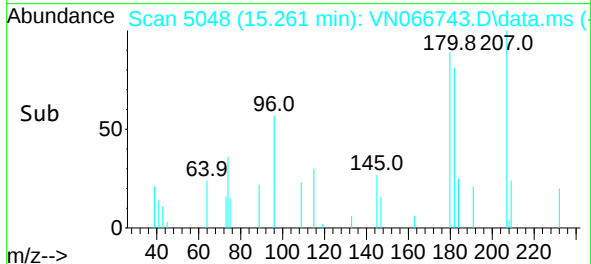
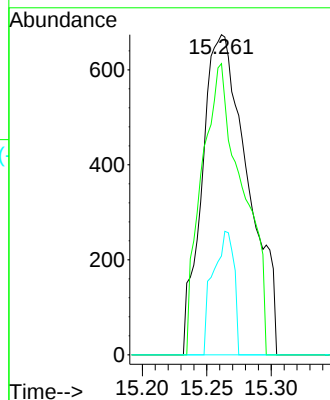
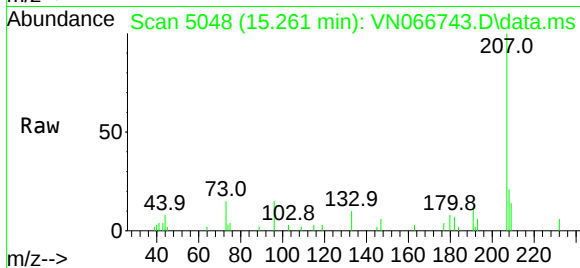
Tgt Ion:180 Resp: 1675

Ion Ratio Lower Upper

180 100

182 81.5 47.4 142.3

145 17.4 16.5 49.5



Instrument :
MSVOA_N
ClientSampleId :